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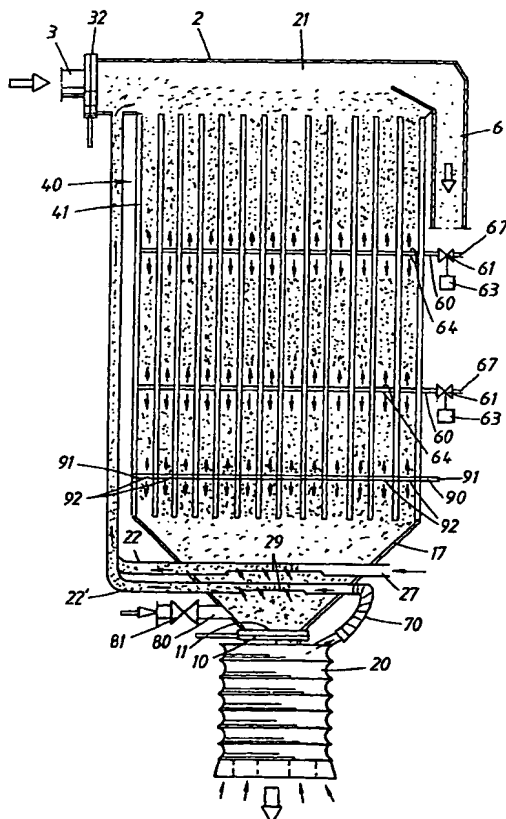
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[Continued on next page]

(54) Title: A DEVICE FOR EMPTYING OF HOT PARTICLE MATERIAL FROM A CHAMBER INTO A TRANSPORT CONTAINER



(57) Abstract: A device for emptying hot particle material from a chamber (4) into a transport container (2), the container (2) being provided with a first pipe (3, 31) that can be inserted into the particle material in the chamber, and a second pipe (6) that is connected to a vacuum source (5) via a precipitator (7), wherein the first and second pipes communicate with the upper part of the container (2) and are spaced from each other to permit rejection of particle material in the container, wherein the container (2) has an outlet (11) in its lower, downwardly narrowing part (17), said outlet (11) being provided with a valve (10), wherein a vertical chute (20) surrounds the outlet, extends downwardly therefrom, and has an evacuation pipe (70) for the withdrawal of powder mixed with air that is generated inside the shaft (20) while the particle material is being emptied through the outlet and outlet valve, and wherein the container (2) includes a heat exchanger (40) to cool the powder material deposited in the container (2).

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## INTERNATIONAL SEARCH REPORT

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PCT/SE 2003/001874

## A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9411673 A1 (A AHLSTROM CORPORATION), 26 May 1994 (26.05.1994), page 5, line 1 - page 14, line 35, figures 1-5, claims 19-31 --	1-4,7-9
A	US 4552203 A (CHRYSOSTOME ET AL), 12 November 1985 (12.11.1985), column 2, line 5 - column 3, line 3; column 4, line 3 - line 21, figures 1-3, claims 3-10 -----	1-4,7-9

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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